



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/121,798
Applicant : Robert Bridenbaugh
Filed : July 23, 1998
TC/AU : 1636
Examiner : Nancy S. Vogel

Confirmation No. 3701

Docket No. : 213-0012US
Customer No. : 29855

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant desires to bring to the attention of the Examiner the following information listed on the attached Information Disclosure Statement, Form PTO 1449. A copy of each of the citations is enclosed.

Submission of this Information Disclosure Statement should not be construed as a representation that a search has been made or that no other material information as defined in 37 C.F.R. 1.56 (a) exists. This submission is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" to the invention disclosed unless specifically so designated. The right is reserved to antedate any item under 37 C.F.R. 1.131.

This IDS is being filed after receipt of a first Official Action, but before the close of prosecution on the merits. Accordingly, a fee of \$180.00 is believed to be due pursuant to 37 C.F.R. § 1.97(c). *The USPTO is authorized to deduct this fee, and any other necessary fees, from or credit any overpayments to Deposit Account No. 501922, referencing matter no. 213-0012US.*

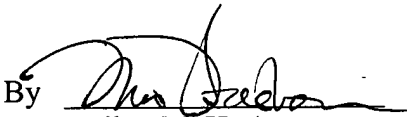
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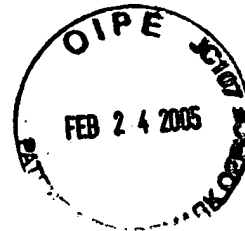
Applicant respectfully submits that the claims of this application are patentable over the above cited references and requests that Applicant's Attorney be contacted should the Examiner have any questions regarding this submission.

Should the Examiner have any questions, please do not hesitate to call Applicant's attorney at 832-446-2421.

Respectfully submitted,

By 

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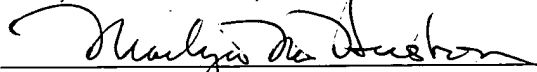


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I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Commissioner for Patents, PO Box 1450, Alexandria VA, 22313-1450.



Marilyn M. Huston

Form PTO-1449 (modified)

Atty. Docket No.

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Serial No.

09/121,798

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Inventor/Applicant

Robert Bridenbaugh

Title: Methods For Purifying Nucleic Acids

Filing Date:

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Group:

1636

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	3,928,642	12/23/1975	Hubert, et al.	426	521	01/22/1975
	A2	5,008,189	04/16/1991	Oroskar, et al.	435	105	06/20/1989
	A3	5,792,651	08/11/1998	Colpan, et al.	435	270	10/11/1996
	A4	5,981,735	11/09/1999	Thatcher, et al.	536	25.4	02/12/1997
	A5	5,990,301	11/23/1999	Colpan, et al.	536	25.4	10/18/1996
	A6	6,197,553	03/06/2001	Lee, et al.	435	91.1	11/07/1997
	A7	6,750,333	06/15/2004	Kuhne	536	23.1	08/04/1998

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO 89/01035	02/09/1989	WIPO	C12N	15/00	Abstract only
	B2	WO 96/21729	07/18/1996	WIPO	C12N	15/10	Yes
	B3	WO 98/01540	01/15/1998	WIPO	C12N	9/10	Abstract only
	B4	WO 98/11208	03/19/1998	WIPO	C12N	15/10	Yes
	B5	WO 98/30685	07/16/1998	WIPO	C12N	15/10	Yes
	B6	WO 99/63076	12/09/1999	WIPO	C12N	15/10	Yes
	B7	EP 0 240 191	10/07/1987	EPO	C12N	15/00	Yes
	B8	EP 0 376 080	07/04/1990	EPO	C12N	15/10	Yes
	B9	EP 0 814 156	03/05/2003	EPO	C12N	15/10	Yes

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DATE CONSIDERED:

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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Birnboim et al.; "A Rapid Alkaline Extraction Procedure for Screening recombinant plasmid DNA;" <i>Nucleic Acids Research</i> ; 7 (6) (1979) 1513-1523
	C2	Blatt, et al.; "Solute Polarization and Cake Formation in Membrane Ultrafiltration: Causes, Consequences, and Control Techniques;" <i>Membrane Science and Technology... proceeding of a symposium...</i> Columbus, Ohio (1969) 47-97
	C3	Carlson, et al.; "Mechanical Disruption of <i>Escherichia coli</i> for Plasmid Recovery;" <i>Biotechnology and Bioengineering</i> , Vol. 48, pp. 303-315 (1995)
	C4	Durland, et al.; "Manufacturing and Quality Control of Plasmid-Based Gene Expression Systems;" <i>Advanced Drug Delivery Reviews</i> 30 (1998) 33-48
	C5	Fernandez, et al.; "Cross Flow Filtration of RNA Extracts by Hollow Fiber Membrane;" <i>Acta Biotechnol.</i> 12 (1992); pp. 49-56
	C6	Gabler; "Principles of Tangential Flow Filtration: Applications to Biological Processing;" <i>Filtration in the Pharmaceutical Industry</i> ; ISBN 08247751981 pp.453-489
	C7	Gutman; "The Technology of Pressure-Driven Crossflow Processes;" Adam Hilger, (1987)48-49, 192; ISBN 0-85274-52-2
	C8	Hancher, et al.; "Evaluation of Ultrafiltration Membranes with Biological Macromolecules;" <i>Biotechnol. Bioeng.</i> 1973, 15(4), 677-91.
	C9	Heinzel, et al.; "Autonomous DNA Replication in Human Cells Is Affected By The Size and the Source of the DNA;" <i>Molecular and Cellular Biology</i> ; Vol. 11; No. 4; Apr. 1991; pp. 2263-2272
	C10	Hirt; "Selective Extraction of Polyoma DNA From Infected Mouse Cell Cultures;" <i>J. Mol. Biol.</i> (1967) 26, 365-369
	C11	Hjerten; "Hydrophobic Interaction Chromatography of Proteins, Nucleic Acids, Viruses, and Cells on Noncharged Amphiphilic Cells;" <i>Methods of Biochemical Analysis</i> ; Vol. 27 (1981) 89-108
	C12	Ish-Horowicz, et al.; "Rapid and Efficient Cosmid Cloning;" <i>Nucleic Acids Research</i> ; Vol. 9 (13) (1981) 2989-2998
	C13	John T. Lis, et al.; "Size Fractionation of Double-Stranded DNA by Precipitation With Polyethylene Glycol;" <i>Nucleic Acids Research</i> ; Vol. 2; No. 3; March 1975

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Exam. Init.	Ref. Des.	Citation
	C14	Koller, et al.; "Laboratory-Scale Production and Purification of Recombinant HIV-1 Reverse Transcriptase;" Journal of Chromatography B, 664 (1995) 107-118
	C15	Marquet, et al.; "Process Development for the Manufacture of Plasmid DNA Vectors for Use in Gene Therapy;" BioPharm; (1995) 26-37
	C16	McLaughlin, et al.; "Resolution of RNA Using High-Performance Liquid Chromatography" Journal of Chromatography, 418 (1987) 51-72
	C17	Merion, et al.; "Purification of Supercoiled Plasmids from Crude Cell Lysates Using High Performance Anion Exchange Chromatography;" BioTechniques; Vol. 7, No. 1 (1989) 60-67
	C18	Michaels; "New Separation Technique for the CPI;" Chemical Engineering Progress (Vol. 64, No. 12) (1968) 31-43
	C19	Pall KLEENPAK™ Filter Assembly Brochure
	C20	The Pall ULTIPOR® N66® Membrane Filter Guide
	C21	Schratter, et al.; "Ultrafiltration in Molecular Biology;" American Biotechnol. Lab. 11 (1993) 16
	C22	Sharma; "Endotoxin Detection and Elimination in Biotechnology;" Biotechnology and Applied Biochemistry 8 (1986) 5-22
	C23	Yates, et al.; "Stable Replication of Plasmids Derived from Epstein-Barr Virus in Various Mamalian Cells" Nature 313 (1984) 812-815
	C24	Zasloff, et al.; "A New Method for the Purification and Identification of Covalently Closed Circular DNA Molecules;" Nucleic Acids Research; 5 (4) (1978) 1139-1152
	C25	Zydney "Analysis of EP 0 923 592 B1 Methods for Purifying Nucleic Acids;" Department of Chemical Engineering; The Pennsylvania State University, December 11, 2003
	C26	Sartopure GF2 – The High Capacity Prefilter Cartridges and Capsules with Absorptive Characteristics Lit #A-0016, Rev 3/20/00

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